

FAA-NASA Study Flight Test Techniques for Certification of eVTOL Flight Characteristics



Aircraft: Representation of NASA “Lift + Cruise” eVTOL

Weight: 5800 lb

Wingspan: 50 ft

Max level cruise: 150 kts

Wingborne Vs: 81 kts

Seats: 6 (crew & pax)

“Unified” flight control system

- Unflyable without full-authority FBW
- Unified manages complex mapping between pilot commands, effector blending & vehicle trajectory
- Natural, after some familiarization
- Based on F-35B (VTOL)

Advanced Air Mobility Operations in Lower New York City, New Jersey

